${\bf DOMESTIC} \ \underline{{\bf RADIOACTIVE}} \ \underline{{\bf MIXED}} \ \underline{{\bf WASTE}} \ \underline{{\bf SHIPMENT}} \ \underline{{\bf CHECKLIST}}$

Onsite Shipment (HNF-RD-7900, One/One not required) Offsite Shipment (HNF-RD-7900)					
D	ate of Shipment: Orig	inating Facility:			
HAZMAT Shipper Destination: Shipment Number Requestor:		ination:			
REQUIREMENT			YES	N/	'A
Sec	ction A: Shipment preparations (Subject to One over		Shipper One One	Shipper	One One
1	If shipment includes fissile, Type B quantities or gas po				
	shipment, expected date of arrival and of any special loans				
2	If material meets definition of Accountable Nuclear Ma				
	be met (DOE O 5633.3B, HNF-MP-5477, HNF-PRO-1	56, HNF-PRO-157)			
~					
Sec	etion B: Characterization documentation (Subject to C			1	1
1	Is the material not forbidden for transportation? (173.2				
2	Is the radioactive source term data presented in a form t PRO-157)	•			
3	Have the class 7 calculations been completed? This can				
4	Has the material been evaluated to be solid, liquid/sludg	ge or gas matrix? (171.8)			
5	Is the material greater than 70 Bq per gram? (173.403)				
6	Does the material meet special form, is the special form certificate current for use? (173.403, 173.435, 173.469,	173.476)			
7	Will the materials, as packaged, meet Limited Quantity limitations)? (173.421, 173.423)				
8	Does the material fall underType A orType	B quantities? (173.403, 173.435)			
9	Does the material meet the definition of LSA? (173.403	, 173.427)			
10	Does the material meet the definition of SCO? (173.403				
11	Does the material classify as a Highway Route Controll				
12	Is the materialfissile orfissile excepted (chec				
	173.417, 173.453, 173.457, 173.459)				
13	Does the material meet the definition for RQ for radioa				
14	Does the material meet the definition for RQ for hazard				
15	Is the material specifically listed Uranium or Thorium s				
16	Does the material meet the definition of another hazard	V \ /			
17	Have the primary, secondary and tertiary hazard class(s				
18	Do the radiation and contamination levels conform to the 173.442, 174.443, 173.448)	ne PSN and shipping mode selected? (1/3.441,			
19	Does the material conform to any exemptions? (173.22a)	1)			
20	Has the exemption been reviewed for applicability, to v				
	cancelled it and if the shipper is authorized to use it? (1)				1
21	Marking checklist(s) have been completed for container				1
22	Does material qualify as Accountable Nuclear Material				
	156, HNF-PRO-157)	, , , , , , , , , , , , , , , , , , , ,			1
23	Has the CoC been reviewed, is the CoC still current, is	the CoC applicable for use and is the CoC being			
	used by the packaging facility to prepare the package for 173.471, 173.473, 173.474, 173.475)				
24		show State or Federal waste codes?			

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Shipment Number

Shipment Number REQUIREMENT		VF	YES		A
	tion B: Characterization documentation Continued	Shipper	One	Shipper	One
25	Has the Package Manufacture's SARP or OMM been reviewed, is the current revision and it is being used		One		One
	by the packaging facility to prepare the package for use? (173.413, 173.416, 173.431, 173.467, 173.471, 173.473, 173.474, 173.475)				
26	Has the Hanford Site SARP been reviewed, is the SARP the current revision and is the SARP being used by the packaging facility to prepare the package for use? (HNF-PRO-156)				
27	If the SARP allows deviations or if the packaging facility cannot meet the SARP, has Package Engineering				
	or Shipper evaluated the deviations, as delineated in the SARP, and has documentation been approved by				
	T&P Program Manager and entered into the shipping file? (HNF-PRO-156, HNF-PRO-157)				
Sec	tion C: Uniform Hazardous Waste Manifest (UHWM)	l l			
1	Each hazardous material is identified on the UHWM (172.200)				
2	Hazardous material descriptions are entered before materials not subject to 49 CFR (172.201(a)(1)				
3	Shipping paper pages are numbered consecutively with first page specifying total number of pages (172.201(c))				
4	"RQ" is shown (if applicable) for packages containing RQ of radioactive isotopes (172.201(a)(1)				
5	"RQ" is shown (if applicable) with the applicable hazardous substance(s) identified (172.201(a)(1)				
6	"X" is shown in HM column before proper shipping name (172.201(a)(1)				
7	Proper shipping names for hazardous materials are shown (172.202 (a)(1)				
8	Word "Waste" is added to Proper shipping name(s) as appropriate (171.101 (c)(9)				
9	Hazard class of the material identified is shown (subsidiary hazard class may be entered following the			_	
	primary hazard class or may be entered following the basic description) (172.202 (a)(2)				
10	Identification number of the hazardous material is shown (172.202 (a)(3)				
11	The words "Radioactive material" are shown unless these words are contained in the proper shipping name (172.202 (d)(1))				
12	Applicable radio nuclides are shown (173.433(f), 173.435, 172.203(d)(2))				
13	Physical form description is shown (172.202 (d)(3))				
14	Chemical form description is shown (172.202 (d)(3))				
15	The activity contained in each package is shown in terms of SI units (Becquerel, Terabecquerel, etc.) (172.202 (d)(4))				
16	The category of label applied to each package is shown (if applicable) (172.202 (d)(5))				
17	The transport index (TI) assigned to each package bearing Radioactive Yellow-II or III labels is shown (172.203(d)(6))				
18	For a shipment of fissile radioactive materials, the words "Fissile Excepted" is shown if the package is excepted per 173.453 (172.203(d)(7))				
19	For a shipment of fissile radioactive materials, for a fissile controlled shipment, the additional notation: "Warning-Fissile Material, controlled shipment. Do not load more than *** packages per vehicle."				
	(Asterisk to be replaced by appropriate number.) "In loading and storage areas, keep at least 6 meters (20 feet) from other packages bearing radioactive labels" is shown. (172.203(d)(7), 173.457, 173.459)				
20	For a package approved by the U.S. Department of Energy (DOE) or U.S. Nuclear Regulatory Commission (USNRC), a notation of the package identification marking is shown as prescribed in the applicable DOE or USNRC approval. (173.471, 172.203(d)(8))				
21	An indication that the shipment is consigned as exclusive use is shown (172.203(d)(10))				
22	For a shipment of low specific activity material or surface contaminated objects, the appropriate group notation of LSA-I, LSA-II, LSA-III, SCO-I, or SCO-II is shown. (172.203(d)(11))				
23	"DOT-E" followed by exemption number noted on UHWM in association with applicable description. Copy of any/all exemptions attached to UHWM and included in total number of pages (172.203(a))				
24	The quantity and units of each hazardous material is shown (172.203(a)(5))				
25	Individual package weight(s) are shown (BMP)				
26	Emergency response phone number entered (172.201(d))				
27	Placarding shown on UHWM (BMP)				
28	All entries on UHWM are legible on all copies (172.201(a)(2))				
29	Exclusive Use Instructions are included as part of shipping papers (173.427(a)(6)(i)-(vii), 173.441(c))				
30	Technical names for "n.o.s." and other generic descriptions are entered, if applicable (172.203 (k)				
					-

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Shipment Number_

REQUIREMENT		YE	\mathbf{S}	N/A		
Section C: Uniform Hazardous Waste Manifest Continued		Shipper	One One	Shipper On On	e ie	
31	Are State or Federal waste codes or waste handling codes shown on UHWM? (BMP)					
32	Poisonous material are described per 172.203 (m), if applicable					
33	HRCQ Instructions are included as part of shipping papers (BMP, 397.101)					
34	Emergency Response Guide number(s) entered on shipping paper (BMP)				\neg	
Sec	ction D: Packages	Shipp	er	Shipper	.	
1	Package is approved for the hazardous material to be shipped in it? ((173.3, 173.21, 173.22, 173.24a,	~				
	173.24b, 173.25, 173.428, 173.441, 173.442, 173.443, 173.474, 173.475, 172.101 Table – Column 8)					
2	Have special provisions been complied with? (172.101 Table – Column 7)				\neg	
3	Are packages free from defects, breaches and bulges? (HNF-PRO-156, HNF-PRO-157, 173.24)				\neg	
4	Packages closed per manufacture's instructions or facility procedure for limited quantity or					
	closed per the Onsite SARP? (HNF-PRO-156, HNF-PRO-157, SARP, 173.24)					
5	Is package being shipped under exemption? Package must be marked with exemption number (172.301 (c))				_	
6	Is exemption applicable to this shipment as packaged? (173.22a)				_	
7	Are packages labeled correctly? (172.400, 173.433(f))				-	
8	Are packages marked correctly? (172.300, 172.310)				_	
9	Do liquid combination packages have orientation marking applied? (172.312)				-	
10	Containers are sealed with tamper indicating devices? (173.412, 173.413, HNF-MP-5477)				-	
11	Are required markings to meet receiving facility acceptance criteria completed? (BMP)				\dashv	
	etion E: Vehicle and Driver (Not Subject to One Over One Review)				-	
1	Carrier possesses EPA hazardous waste number and passed MCEP (DOE G 460.2-1 3.1.3, DOE G 460.1-1)	1			\dashv	
2	Driver has current CDL with correct endorsements (177.816) and current DOT medical Card (391.41)				-	
3	Driver has current version of Emergency Response Guidebook (172.602)				\dashv	
4	RSPA Hazardous Materials Registration current and with vehicle (107.608)				_	
5	Vehicle DOT inspection completed within the past 12 months on power unit (396.17, 396.23)				\dashv	
6	Vehicle DOT inspection completed within the past 12 months on trailer(s) (396.17, 396.23) Vehicle DOT inspection completed within the past 12 months on trailer(s) (396.17, 396.23)	 			-	
7	Vehicle appears to be in good working order including tire condition, windshield and mirrors (BMP)	—			_	
8		—			_	
9	Container segregation appropriate for materials as loaded on vehicle (49 CFR Part 177 Subpart C)	 			_	
9	Packages loaded properly braced and secured on vehicle (173.30, 49 CFR 393 Subpart I, 177.834, HNF-PRO-156, HNF-PRO-157)					
10	Vehicle Placarded as required (49 CFR Part 172 Subpart F)	—			_	
11	Vehicle Marked with "orange panels" or "PCB" Markings (172.332, HNF-PRO-156, HNF-PRO-157, HNF-		\rightarrow		_	
11	PRO-3152 3. b.)					
12	If shipment is HRCQ, driver must have HRCQ training credentials (177.816)				_	
13	If shipment is truck load quantity or exclusive use, is carrier on approved MCEP list (DOE O 460.2)	 			\dashv	
		<u> </u>			-	
<u> 5ec</u>	tion F: Shipment completion UHWM signed and dated by shipper (172.204)				_	
2		 				
3	UHWM signed and dated by carrier (172.205) PSP signed by PadCon (HNE PRO 156 HNE PRO 157)				\dashv	
4	RSR signed by RadCon (HNF-PRO-156, HNF-PRO-157)				\dashv	
	Special loading or unloading instructions included as part of shipping papers (HNF-PRO-157)				\dashv	
5ec	Etion G: Other Shipment Requirements				\dashv	
2	POC and ONC are notified of shipment (HNF-PRO-156, HNF-PRO-157)				\dashv	
3	Receiver is notified of shipment date and is authorized to receive shipment (HNF-PRO-157) DOE-HQ approval for RAM shipments other than ltd gty, sample, sealed source, empty and laundry shall		\longrightarrow		\dashv	
3						
	be submitted to the FH traffic manager or delegate by C.O.B. Tuesday of the week preceding shipment.	<u> </u>			닉	
Co	omments:					
Checklist completed by: Date:/				7		
Signature of HAZMAT Shipper Printed name						
On	e/One completed by:	1	1			
One/One completed by:						
111	2 Review completed by:	,	,			
116	2 Review completed by:Date:	/	/_			

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